**Database Visualiser – Iteration 7 Comments 12 October 2018**

**Critical**

The CSV export column headers need a little more attention. We want “Temperature (K)”, “Field (T)”, “Field angle (°)”, “Critical current (A)”, “Critical current per cm width (A/cm)”, “n-value”. Less critical, we did agree it would be nice to remove the comma, both in this filename and in the graph title.

**Requirements for public deployment**

Horizontal scroll bar in narrow view. This seems better now, but the graph is still too wide (it goes off the edge of the window). Also, the title is not centred on the graph in narrow view.

Print no longer works well. It only wants to use half the page. Is this easily fixed? Have you seen what happens if you choose the browser print option? It would be better if this worked.

Working on IE is good. Can you alter the banner to say “Internet Explorer” instead of “IE”? The most prominent failure in IE is the logo in the header, and I’m not sure why this doesn’t work when the one in the footer is fine. Is that an easy tweak to fix?

I still don’t like the watermark – it’s simply ugly. This is a “prototype” feature that hasn’t had time to be fully developed, and it doesn’t match the polish of the remainder of the app. I’d prefer it to be removed. Unless you want to put time into getting the graphical version I supplied working.

Sidebar: it would be great if “Scale” could appear to the left of the buttons, with the buttons aligned with the ones in the Appearance section. If the button text is too long for that, it would be fine to rename “Logarithmic” to “Log”. It would further be good if the set of buttons in the Appearance section were all the same width (and ideally the same as Linear and Log). I just want that whole sidebar to look neat when viewed as a whole. At the moment it’s scruffy. Also the temperature/field/angle dropdown could have its title to the left in the normal font – the dropdown is much wider than it needs to be. Is there space to fit “Point size” (note capitalisation) in place of “Size” – it’s not obvious what this refers to. You don’t need to label the “Dependence” buttons – these are already labelled the “Independent variable”, just like the “Dependent variable”. It would be good if all the buttons were sized to right-align as well.

**Other**

Tooltip ordering is wrong! It’s now Temperature, Angle, Field. Should be Temperature, Field, Angle. Subscript c is too hard?

It would be neater if the “Publication Date” header spanned both the date and the figshare button columns. (Unless this is harder than I think it is, in which case, fine.)

**General comments**

Agreed not to implement: Filter is good. UI needs a bit of thought. For example, could you include the entry field beside the “Datasets” header of the table? Even in the smallest window size, there is space for it there.

Agreed not to implement: A final tweak at the end of the project would be to make the data selection page and the graph page the same size. In other words, the header and footer would never move, however you click around. Implementation of this would require a bit of thought. It comes down to sizing things (the dataset list on the selection page and the graph on the display page) to the window height, but more basically just keeping both of these two main pages the same vertical height. At the moment the two are independent heights. Fixing them to be equal would increase the cohesiveness of the app as a whole.

**Dataset selection page**

Agreed not to implement: How does this page handle many datasets? If I had 100, would they all appear in one long list, or would they be broken up into pages?

**Graphical display page**

Question to consider: are graph images exported as they appear or in some standard size…?

The gridline at the top of the graph is missing. We show the label (e.g. 1,000), but we don’t have the line, and it makes the graph look incomplete. Ideally we would use the slightly heavier lines we have on the left and bottom of the graph also to frame it on the top and right. Next, is it easy to put a small space between the labels and the tick marks that extend outside of the graph. At the moment they are exactly touching (y-axis, where the digit is zero) and this makes it look messy. X-axis is better, but could also benefit from slightly more space.

For an added challenge, you can attempt to subscript the c in *I*c.

Data export is good. We’re considering the nature of the csv export. It’s helpful to have both save PNG and copy PNG to clipboard (which works via right-click). It would be nice if the print graph was implemented via the browser print function rather than (cleverly, I admit) via a separate page. I think there’s a way with style sheets to specify what gets printed, but maybe this is too much work. Don’t worry too much; the existing functionality is good.

We need to think what to do about the title of the graph. I don’t really want to see “Angle Dependence”, etc. This is obvious from the fact that the x-axis shows angle. Also “1T Field” is unnecessarily wordy; it can’t be a 1 T anything else. But “1 T” on its own won’t look good. In some ways, “1 T Angle Dependence” is better than what you have, so maybe that’s the easiest change. But some of the feedback was saying when the graph is exported, you don’t know what sample it was from, which is why I suggested a tiny watermark at the bottom with sample name and doi.

**Queries / Discussion points**

Agreed not to implement: Is the style of the website contained in a simple stylesheet or other easily editable form? For example, if I wanted to change the green colour of the header bar, how easy would that be to do? See above idea, also discussed in the meeting: How about framing the app (middle bit) in a page of regular HTML that I could edit? Then I can even embed the app on other webpages to increase its exposure. I’m thinking of something like a frame, that could be put anywhere. Like Youtube videos can be put on any webpage, for example. That’s the same thing: the webpage server doesn’t run Youtube, that runs on its own server (AWS in your case). But the host webpage can be arbitrarily simple.

**Additional features for future work**

I want the graph to look good when printed out.

Data export features – copy graph to word document, access *actual* data files.

Metrics (page views, downloads, …).

Admin options: way to edit stylesheet?

Fit curves instead of point joining.

How to support VUW rebranding…